

PATENT ABSTRACTS OF JAPAN

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(54) PREPARATION OF MANGANESE DIOXIDE FOR ALKALI MANGANESE CELL

(57)Abstract:

PURPOSE: To obtain manganese dioxide for cell having long electrical discharge time and improved properties, by heating water-containing manganese dioxide in a specific temperature range.

CONSTITUTION: Water-containing manganese dioxide consisting essentially of γ -phase is put in a porcelain crucible, etc., and heat-treated by the use of a muffle furnace, etc. in 100W230°C temperature range. Steam pressure in a treatment atmosphere is preferably \leq saturated vapor pressure at the treatment temperature. By this method, manganese dioxide for alkali manganese cell having about 5W18% more quantity of electrical discharge than untreated manganese dioxide of γ -phase is obtained.

LEGAL STATUS

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